MUSATOV, T.P. inzh.; SHCHUKIN, B.D.; FIKSMAN, S.I. (Odessa)

**TESTROVICH, S.F.; SHNELL', R.V.; DODIN, Ya.I.; ZEYLIDSON, Ye.D.

Problem of automation and remote control in industrial substations. Prom.energ. 12 no.8:1-7 Ag '57. (MIRA 10:10)

1. Stalinskiy setevoy rayon Donbassenergo (for Musatov).
2. Gidroproyekt, g. Kuybyshev (for Shchukin). 3. Novo-Kemerovskiy khimkombinat (for Gershkovich). 4. Novosibirskoye otdeleniye Gosudarstvennogo proyektnogo instituta Elektroproyekt (for Shnell').
5. Leningorskiy polimetallicheskiy kombinat (for Dodin).
6. Tekhnicheskoye upravleniye Ministerstva elektrostanteiy (for Zeylidzon).

(Electric power) (Automatic control)

AUTHOR: Musatov, T.P., Engineer.

104-2-27/38

TITIE:

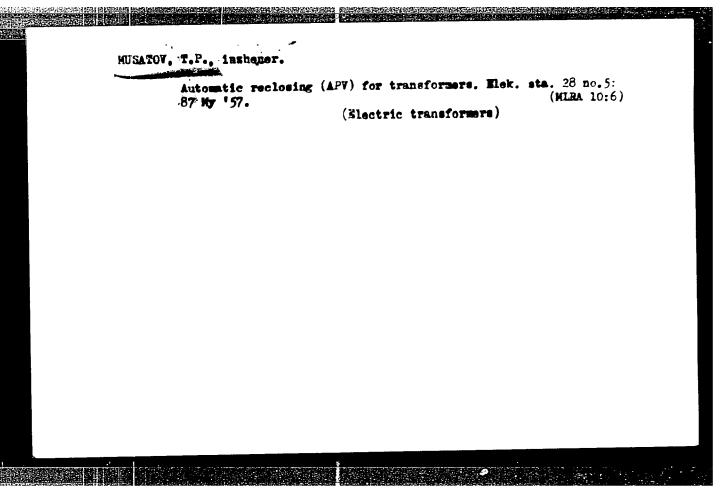
On inspecting the guide tubes of circuit breakers types BM-35 and BMA-35. (Ob osmotre napravlyayushchey truby vykluchateley tipov VM-35 i VMD-35)

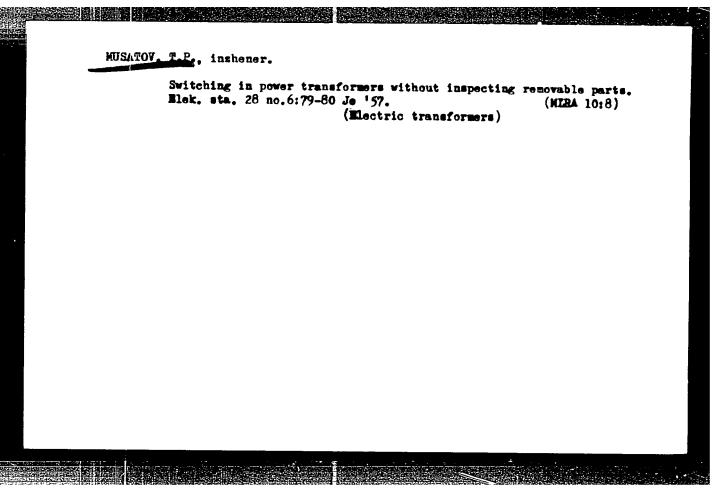
PERIODICAL: "Elektricheskie Stantsii" (Power Stations), 1957, Vol.28, No.2, p. 87 (U.S.S.R.)

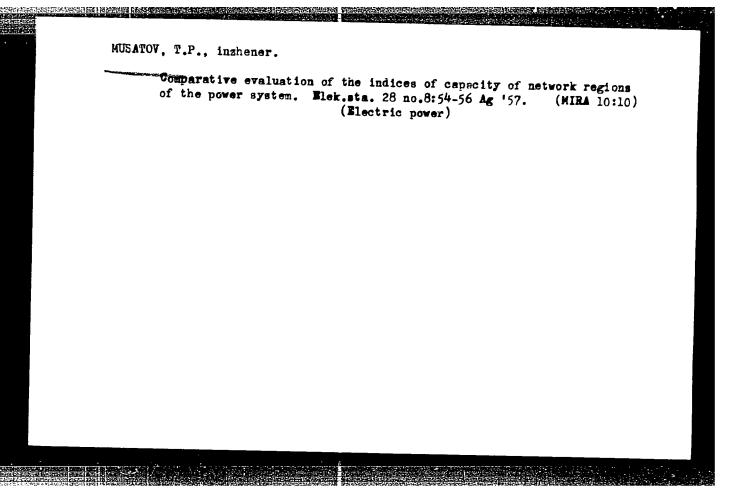
ABSTRACT: The guide tubes on these circuit breakers accumulate carbon, dirt and moisture because they are made in the form of completely closed cylinders. When the switch is overhauled these guide tubes must be completely dismantled which takes a long time. It has been found best to cut two slots in the tube, protecting the cut edges with varnish; it is then quick and easy to inspect and clean the tubes from the outside. The manufacturers should take note.

AVAILABLE:

Card 1/1







SOV-91-58-4-14/29 Musatov, T.P. and Kovalenko, V.P., Engineers AUTHORS: TITLE: "35 kv" Current Transformers with "PB" Type Insulators (Transformatory toka 35 kv vnutrenney ustanovki na izolyatorakh tipa PB) PERIODICAL: Energetik, 1958, Nr 4, pp 19-20 (USSR) In some distribution systems, the 35 kv current transformers ABSTRACT: of the "TP" type still have bakelite insulation. They are not being manufactured any more by the Soviet industry, but a great number of them are still in service. For the replacement of bakelite current transformers, the workshops of the Stalinskiy setevoy rayon Donbassenergo (Stalino "Donbassenergo" Network Sector) have manufactured current transformers, the cores of which were fixed on the flange of "PB-35" type bushings (Figure 1). There are 25 current transformers of this kind in service. For manufacturing the cores for current transformers, transformer steel of "E4A" grade or steel taken from old built-in 110 kv current transformers is utilized. Asbestos-cement or asbestos-slate baffles rigidly fastened between bakelite "TP-35" type current transformers can temporarily increase their service Card 1/2 reliability.

"35 kv" Curre	nt Transformers with "PB" Typ	SOV-91-58-4-14/2 be Insulators	
	There is 1 photo and 2 diagrams.		
	1. TransformersManufacture	2. TransformersMaterials	
Card 2/2			
JULY 2/2			

SOV-91-58-4-22/29

中国的主义。 1975年,1975年,1975年,1975年,1975年,1975年,1975年,1975年,1975年,1975年,1975年,1975年,1975年,1975年,1975年,1975年,1975年,1975年,1

AUTHOR:

Musatov, T.P. and Kolendovskiy, A.S., Engineers

TITLE:

The Defective Functioning of a Gas Protection (Lozhnaya

rabota gazovoy zashchity)

PERIODICAL:

Energetik, 1958, Nr 4, p 27 (USSR)

ABSTRACT:

This article describes how a 31.5 megavoltampere transformer installed at a 110 kv substation was switched off from the gas protection by an incorrect operation of the relay. It was found out during the test that the structure bearing the transformer expander was not rigid enough Vibrations were caused by shocks, which resulted in spilling the mercury contained in the shells of the gas relay, closing the signal contacts and switching off the transformer. To increase the rigidity of the structure bearing the expander, the structure has been joined at 4 points to the metallic gantry of the transformer. There is 1 photo.

1. Transformers--Safety devices 2. Explosive gases--Safety devices 3. Relays--Failure

Card 1/1

MUSATON T. P.

105-58-4-21/37

AUTHORS:

Kudryashov, S. A., Engineer, Moronov, Ye. P., Docent, Musatov, T. P., Engineer, Dvoskin, L. I., Engineer

TITLE:

Objective Method for the Evaluation of Schemes of Electric Connections (Ob yektivnyy metod otsenki skhem elektricheskikh

soyedineniy)

PERIODICAL: Elektrichestvo, 1958, Nr 4, pp. 74-77 (USSR)

ABSTRACT:

This is a reaction to the article by L. I. Dvoskin in Elektrichestvo, 1956, Nr 8. 1. The specific deficiency of the belt-contact must be added to table 1. The formula (1) does not take into account the influence of damage of the connections of sectional introductions on the increase of the annual damage. The assumption that with a decrease of the number of lines to the consumers in every section, the probability of damage decreases must be made more precise. 2. The suggested method is interesting. It is, however, inacceptable. a) The conclusion of the probability of the disconnection was drawn from mean

Card 1/3

statistical data and therefore can be completely wrong.

105-58-4-21-57

Objective Method for the Evaluation of Schemes of Electric Connections

b.) A conclusion valid today can be completely wrong in 1-2 years at the present development of engineering. 3. The suggestion of regarding the specific damage of the electrical equipment as an objective index must be fully rejected as this would only lead to a distortion of the real representation. 4. Dvoskin never designed for specific damage a basic index. Whether Musatov likes it or not, the susceptibility of the electrical equipment always supplies doubtlessly objective and very important data for the evaluation of electric connection schemes. The proposal by Kudryashov (bolt contact) is not regarded as useful by Dvoskin. Dvoskin replies to Mironov's answer that the data on the susceptibility of the equipment are not invariable and constantly change with progress. There are 3 figures, and 1 table.

Card 2/3

Objective Method for the Evaluation of Schemes of 105-58-4-21/*;
Electric Connections

ASSOCIATION: 1) Kuybyshevskoye otdeleniye Elektroproyekta
(Kuybyshev Branch of the Electroproject)
2) Novocherkasskiy politekhnicheskiy institut
(Novocherkassk Polytechnical Institute)
3) Donbassenergo

AVAILABLE: Library of Congress

1. Electrical equipment—Theory 2. Damage control—Theory
3. Connectors (Electrical)—Study and teaching

AUTHOR: - Misutov, T.P. 507/94-53-10-3/20

Lysento, A.A.

TITLE:

Automatic Repeated Reclosure on 3-10 kv Lines (Avtomaticheshoye rovtornoye vilyucheniye na

liniyarh 3-10 kv)

PERIODICAL: Promyshlennaya Energetika, 1958, Nr 10 pp 7-10 (USSR)

ABSTRACT:

Automatic repeated reclosure is widely used on transmission lines but is not being introduced quickly enough on 3-10 kw lines in power systems and particularly on Consumers' sub-station lines. The recent tendency to leave power system sub-stations unattended has made it necessary to extend the use of automatic repeated reclosure on lines to power consumers. This has proved very effective as is shown by the tabulated data for the Stalimo region of Donbassenergo which shows that repeated reclosure at consumers' connections gave a satisfactory operation of 60% over a three year period. There is a lack of simple, reliable and cheap reclosure equipment. Weight and spring operated

Card 1/3

drives are most simply used but sub-stations with accumulators usually employ relatively complicated

SOV/94-58-10-3/20

Automatic Repeated Reclosure on 3-10 kv Lines

and expensive electro-magnetic drives. In order that the use of automatic repeated reclosure should be freely extended the so-called relayless systems should be generally used. .. simple design has been proposed by E.A. Ryazantsev but has so far been little used. Figs.1,2 and 3 show the arrangement and kinematic diagram for three different positions of the automatic reclosure mechanism proposed by Ryazantsev. The equipment is described and its operation explained. This equipment is designed to give only one reclosure before manual resetting. Equipment of this kind has given very satisfactory service for two years. This type of equipment can be arranged to operate with remote controlled drive, an example is given in Fig.5. There is an editorial note pointing out the

Card 2/3

Automatic Repeated Reclosure on 3-10 kv Lines

desirability of using relayless automatic reclosure on 3-10 km sub-stations. There are 5 figures and 1 Seviet literature reference.

ASSOCIATION: Donbassenergo

Card 3/3

AUTHOR: Musatov, T.P., Engineer SOV/91-58-12-16/20

TITLE: Reclosure of Transformers .t Remote-Control Substations

(Povtornoye vklyucheniye transformatorov na teleupravlyaye-

mykh podstantsiyakh)

PERIODICAL: Energetik, 1958, Nr 12, pp 18-19 (USSR)

ABSTRACT: The author gives advice aimed at making the remote-control of the transformers' protective devices installed at auto-

matic substations easier and safer. Standard circuitry operating differential, gas and maximum protection devices of the transformers must be changed in such a way that in emergency they can be switched-in again by means of remote control. The repeated switch-in of transformers disconnected by any protective system because of internal failures, is

allowed only after their inspection by the maintenance per-

sonnel.

There is 1 Soviet reference.

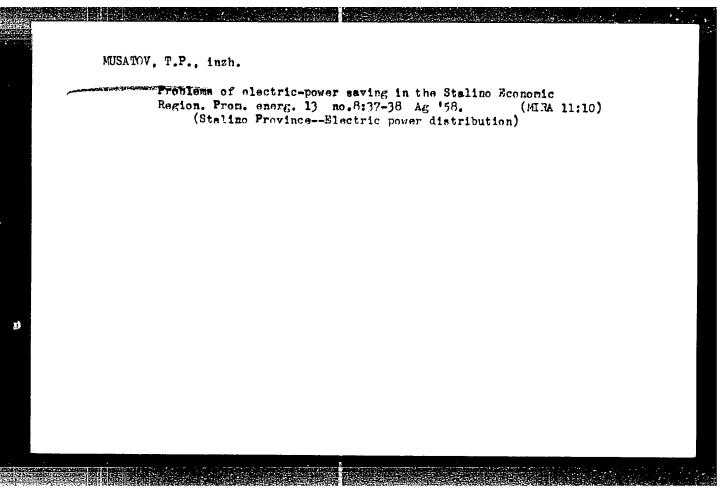
Card 1/1

TERMINOY, A.A., inch; SEULIN, N.A., inch; CHIZHISHIN, P.L., inch.; CHEPBLE, Yu.M., inch.; MUSATOY, T.P., inch.; CHIZHISHIN, P.L., inch.; CHEPBLE, Yu.M., inch.; Inch.; GOL'MERIAT, B.I., inch.; IURHYASHOV, S.A., inch.; ZARHAROV, N.P., inch.; SHCHUKIN, B.D., inch.

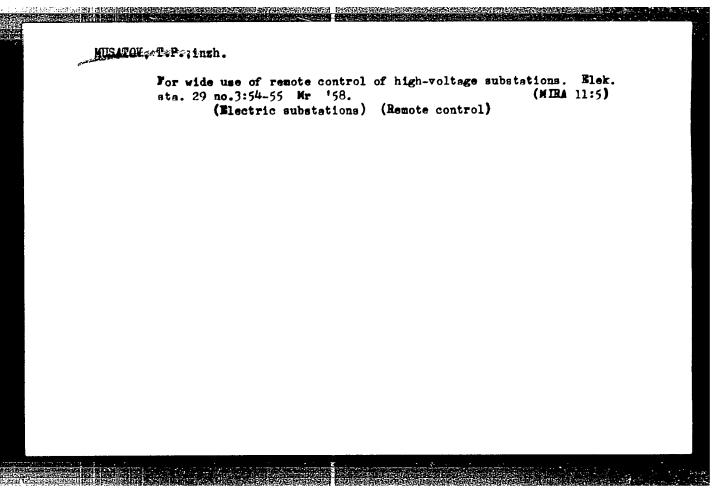
Improving planning of industrial power supply. From. energ. 13 no.7; 18-29 Jl '58.

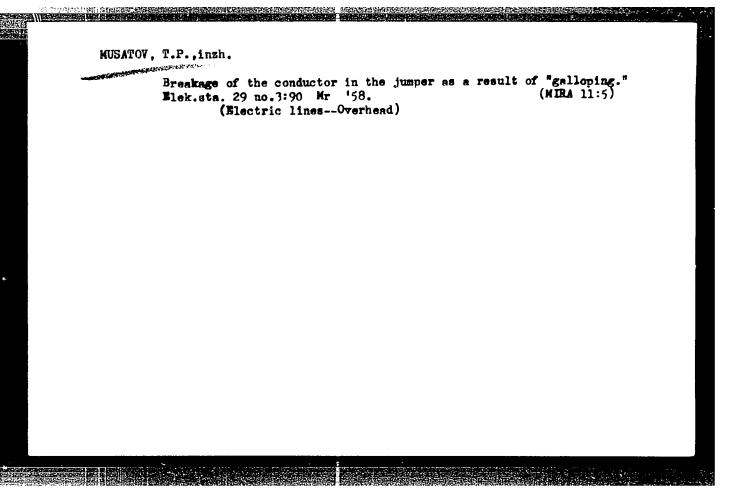
(for Chepple). Benhassenerge (for Musatev). 4, Moskovskiy energeticheskiy institut (for Federev). 5. Usgiprevedkhos. g. fashkent (for Incoshetskiy). 6. Froyoktayy institut Ministerstva stroitel etva USSR, Odessa (for Gol'demblat). 7. Elektropropekt, g. Kuybyshev (for Kudryashov). 8. Goaradieelektronika (for Zakharov). 9. Bidrepreyekt, g. Kuybyshev (for Stchukin).

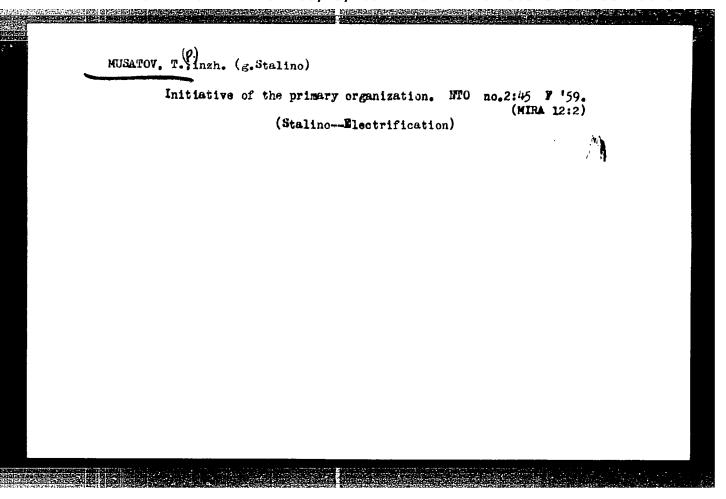
(Electric power)



Quantity power tra	Quantity of adsorbent necessary for continuous regeneration of power transformer oil. Elek.sta. 29 no.1:85-86 Ja '58. (MIRA 11:2) (Insulating oils) (Silica)		







8 (6), 9 (2)

SOV/91-59-11-12/27

AUTHOR:

Musatov, T.P., Engineer

TITLE:

A Breakdown of a Contact Ring of a Synchronous Capacitor

PERIODICAL: Energetik, 1959, Nr 11, p 19 (USSR)

ABSTRACT:

The author describes the causes of a contact ring breakdown on a KhTGZ synchronous capacitor (10,000 kvar, 750 rpm). The contact ring was destroyed in the area where the conductor to the neighboring contact ring was passing through. The steel contact rings are connected by copper conductors which are mounted in wooden brackets. The conductors are insulated by bakelite tubes. Three months before the breakdown, the synchronous capacitor had been overhauled. One of the wooden brackets had been damaged and was replaced by a new one. The wood of the new bracket had not been sufficiently dried prior to installing. When the wooden bracket dried, the conductor lost its support and began to vibrate whereby the bakelite insulation tube was gradually destroyed in the area where it passed thru the flange of

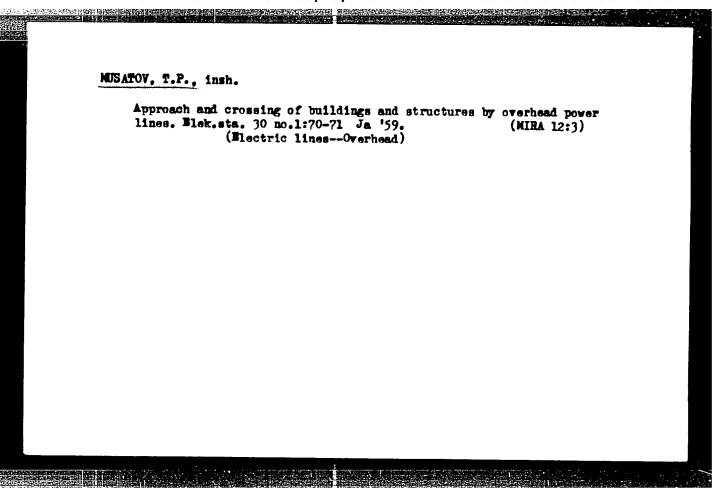
Card 1/2

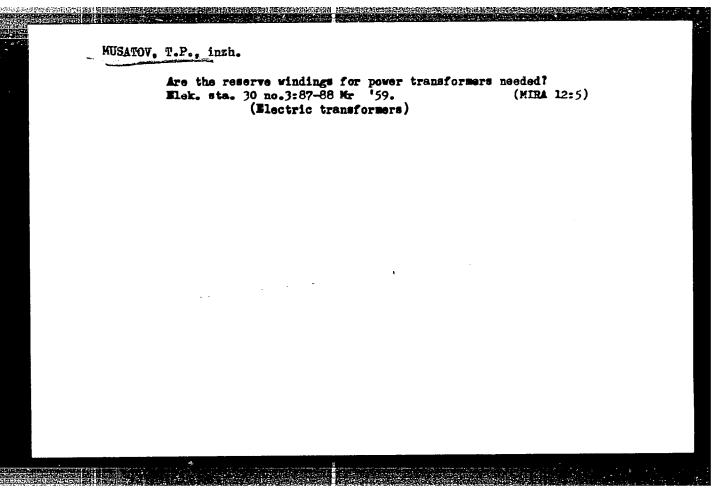
SOV/91-59-11-12/27

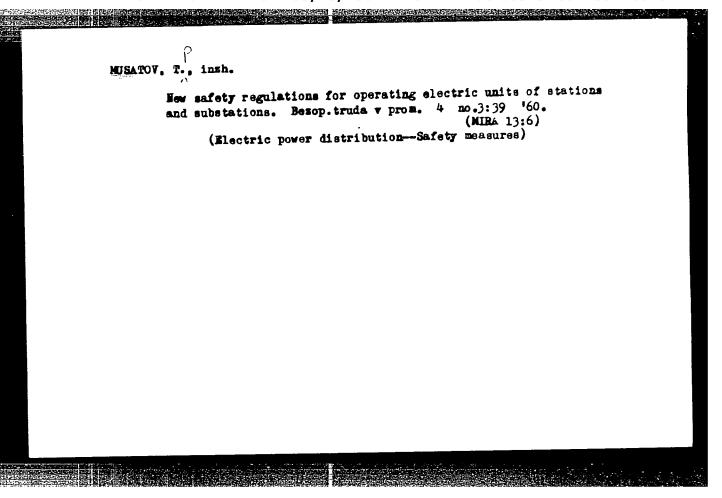
A Breakdown of a Contact Ring of a Synchronous Capacitor

the rotor shaft. The resulting short circuit heat destroyed the insulation of the conductor. The short circuit was then transferred to the second contact ring which was destroyed. The author stated that this was the first incident with synchronous capacitors in a particular network since 20 years. Four synchronous capacitors of the same type are in operation in this network. The possibility of vibration of the current conductors accompanied by a destruction of their insulation should be taken into consideration when assembling new synchronous capacitors, or old ones after overhaul. There is I diagram.

Card 2/2





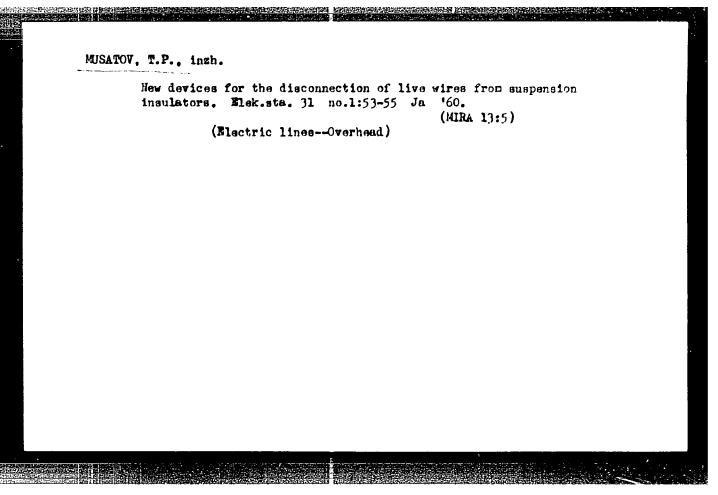


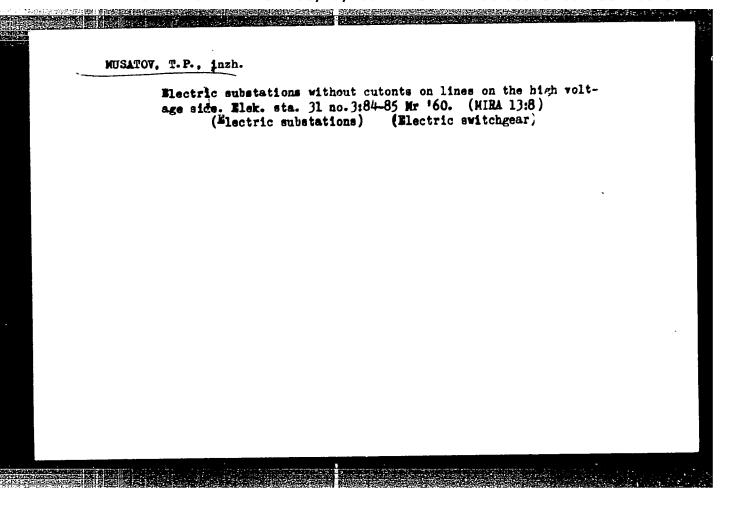
Crossings of electric power lines. Energet & 8 no.5:7-9 Wy '60. (MIRAL3:8)

(Electric power lines--Overhead)

Changing the aperture in the breather plug of the transformer exhaust pipe. Energetik 8 no.6:15-16 Je '60. (MIRA 13:7 (Electric transformers)

trial enterprises.	Reserve-type connections in the electric power networks of industrial enterprises. Prom. energ. 15 no.11:12-13 N *60.		60.
(Electric power	distribution)	(Electric protection	(MIR ₄ 14:9)





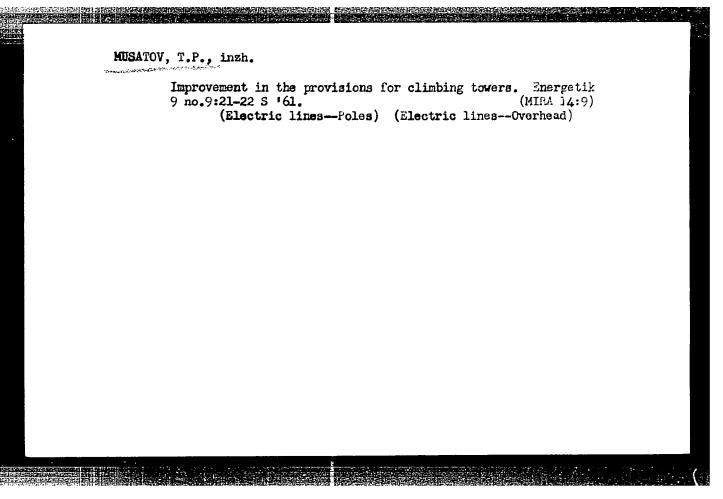
Operation of a 9 nc.1:7-10 Ja	telescopic tower with an insulating link. Erergetik [MIRA 16:7]
	(Electric linesOverhead)

MUSATOV, T.P., inzh.

Sreaking of glass suspension insulators in a compensated 35 kv.
electric power network. Energetik 9 no.8:23-25 Ag '61.

(MIRA 14:8)

(Electric lines-Overhead) (Electric insulators and insulation)



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S/196/62/000/004/009/023 E194/E155

AUTHORS: Musatov, T.P., and Soroka, I.F.

TITLE: Converting synchronous compensators to reactor

starting

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika,

no.4, 1962, 7-8, abstract 4 E44. (Elektr. stantsii,

no.10, 1961, 86-87).

TEXT: The auto-transformers and starting-motor methods of starting a synchronous condenser are complicated and unreliable, and so operating circular 3-5/54 (E-5/54) recommends going over to direct-on-line starting, or reactor starting (if the voltage drop on the busbars is too great for direct switching of the machine) with the exciter solidly connected. When the use of a single-bearing starting motor is replaced by reactor starting, the economic effect depends on the pay-off time of the reactor set against the absence of mechanical losses in the starting-motor, thus:

Card 1/2

"APPROVED FOR RELEASE: 03/13/2001

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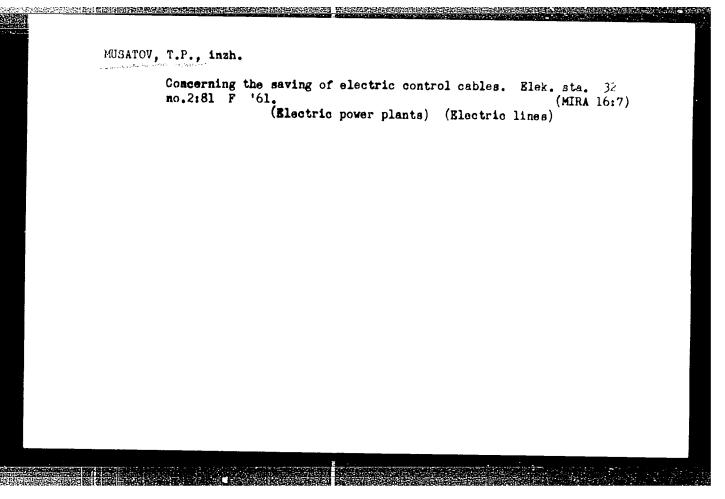
Converting synchronous compensators... 5/196/62/000/004/009/023 E194/E155

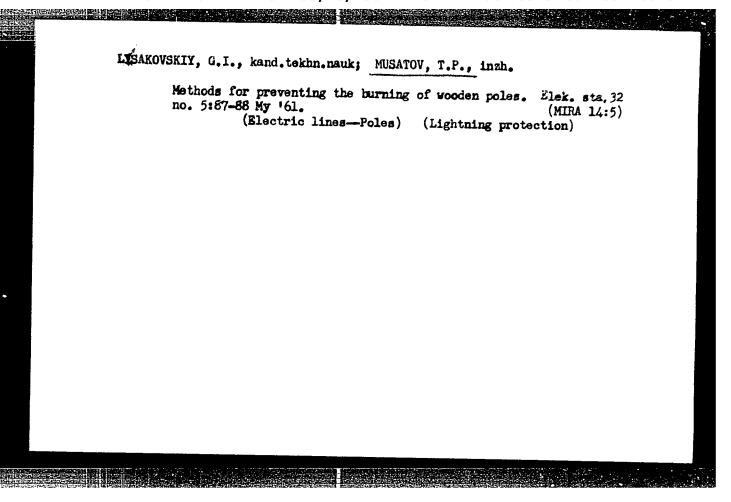
$$P_{\text{mech}} = (0.7 - 0.9)$$
 $\sqrt[3]{\frac{n}{1000}}$ $\sqrt[4]{\frac{1000}{P_2}}$ (%)

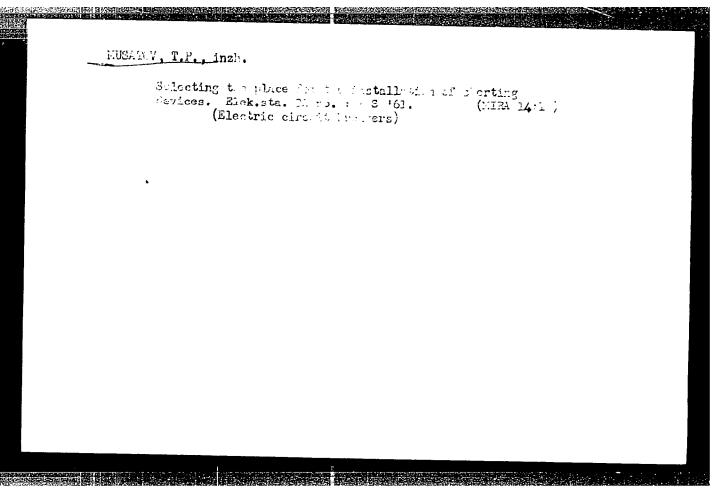
which usually does not exceed 3 years for one synchronous condenser. If there are several machines at the substation and starts are rare, it is recommended to use one reactor for them all, making connections by 'starting' isolators,

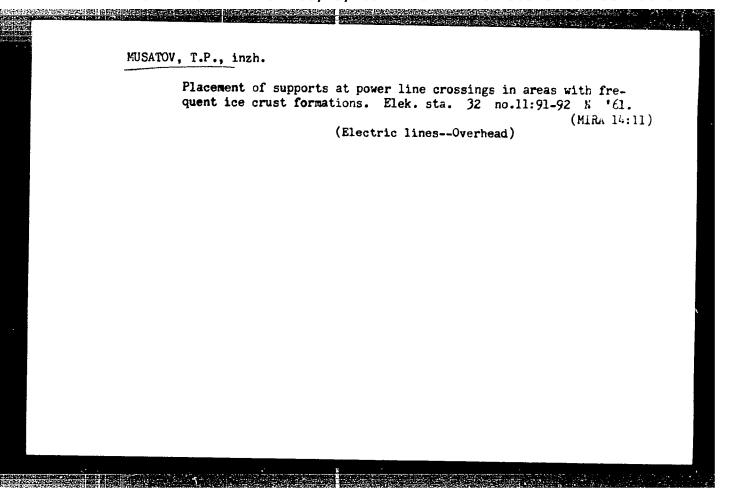
[Abstractor's note: Complete translation.]

Card 2/2









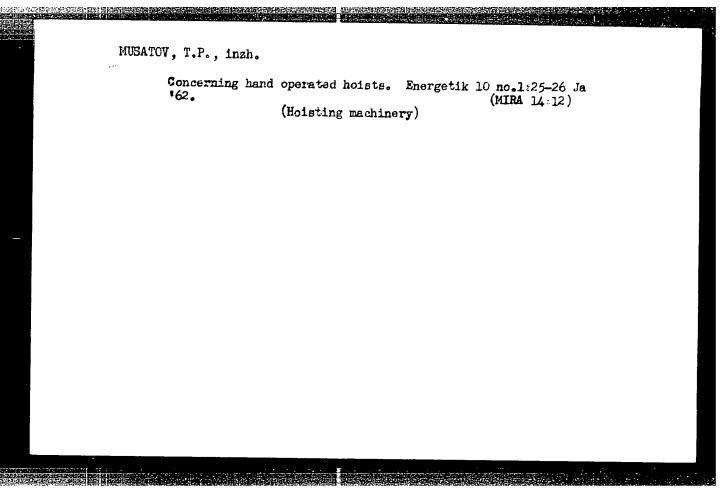
MUSATOV, T.P.; SOROKA, I.F.

Concerning the operation of synchronous compensators manufactured by the V.I.Lenin festbry in the city of Filsen in Csechoslovakia.

Energ.i elektrotekh.prom. no.4:64-67 O-D '62. (MIRA 16:2)

1. Glavnoye upravleniye energeticheskogo khosyaystva Dometskogo basseyna.

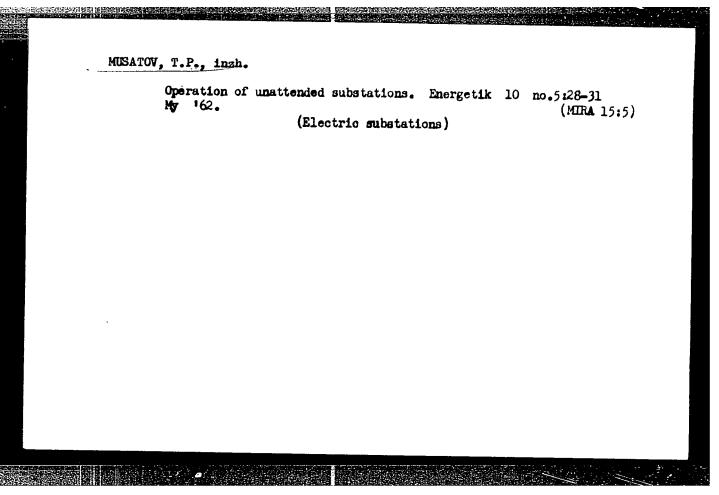
(Electric substations) (Electric machinery)



MUSATOV, T.P., inzh.; KOLENDOVSKIY, A.S., inzh.

Increased safety measures for work on electric power distribution devices. Emergetik 10 mo.2:18-20 F '62. (MIRA 15:2)

(Electric power distribution—Safety measures)



MUSATOV, T. P., inzh.; KOLENDOVSKIY, A. S., inzh.

Concerning the operation of ORU 35-110 kv. line disconnecting switches operating in districts with air pollution. Energetik 10 no.8:4-6 Ag '62. (MIRA 15:10)

(Electric cutouts)
(Electric power distribution—Equipment and supplies)

More about auxiliary 17 no.8:49-50 Ag '62 (Electric netwe	•	networks.	(MTRA 161/)

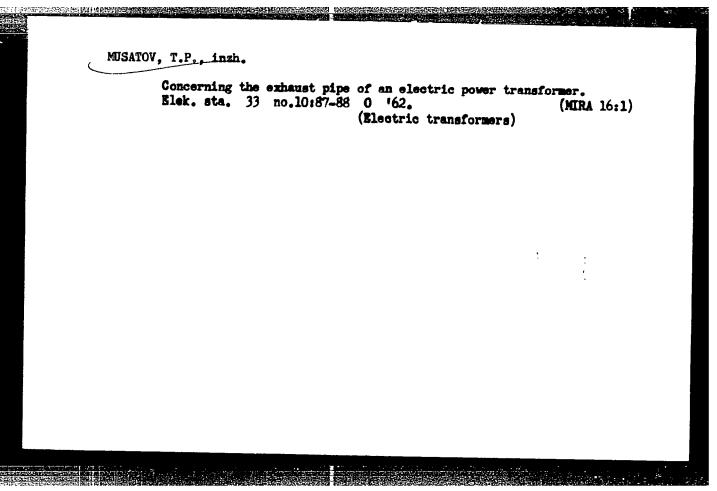
MUSATOV, T.P., inzh.

The quality of work in splicing the wires of power transmission lines should be improved. Elek. sta. 33 no.7:87-88 Jl '62. (MIRA 15:8)

(Electric lines—Overhead)

MUSATOV, T.P., inzh.; MIKHAYLETS, D.G., inzh.

Erection of additional line and spur line supports on two circuit 110-220 kv. power distribution lines without interruption to service. Elek. sta. 33 no.8:76-77 Ag '62. (MIRA 15:8) (Electric power distribution) (Electric lines-Overhead)

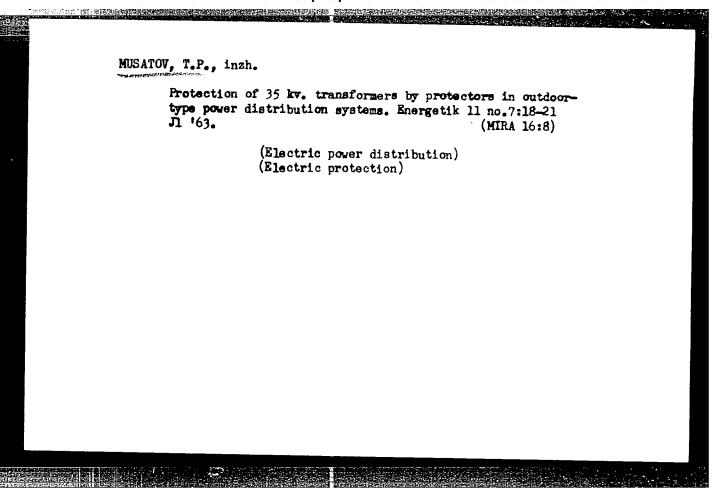


MUSATOV, T.P. Temporary use of a section of a large power transmission line for decreasing the power losses of a low-voltage power transmission line. Energ. i elektrotekh. prom. no.2:67-68 Ap-Je '63. (MIRA 16:7) (Electric power distribution)

MUSATOV, T.P., inzh.; SELEZNEVA, G.N., inzh.

Transformer oil in 110 kv. MV entrances and electric transformers.
Energetik 11 no.4123-24 Ap '63. (MIRA 16:3)

(Insulating oils)



LYSAKOVSKIY, G.I., kand. tekhn. nauk; MUSATOV, T.F., inzh.

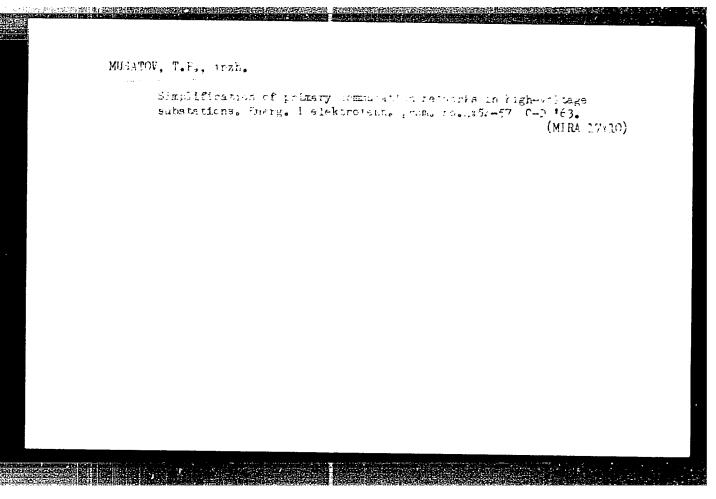
Simplified lightning protection systems of electric substations.
Elek. sta. 32 no.l:76-78 Ja '61. (MIRA 16:7)

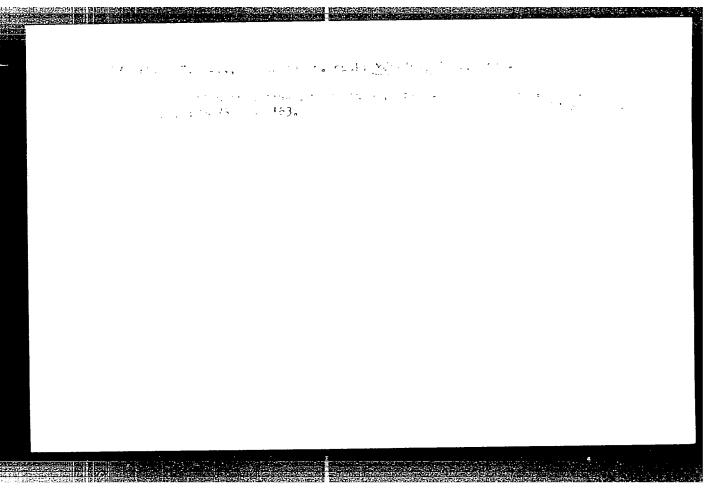
(Electric substations) (Lightning protection)

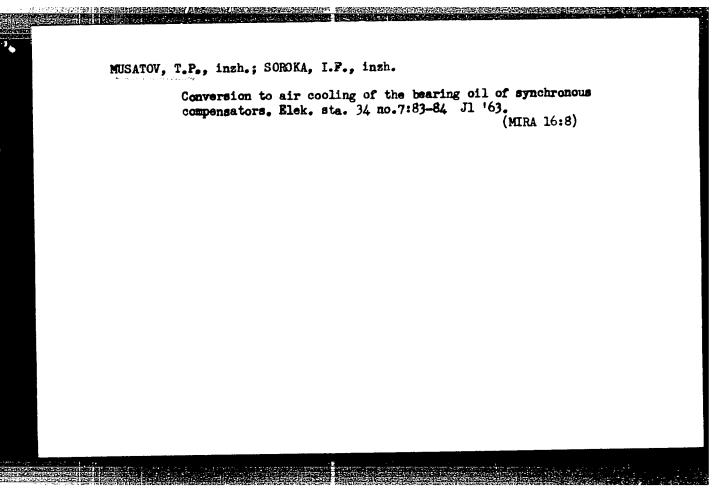
MUSATOV, Tikhon Paylovich, ingh.; ZUBANOV, K.V., ingh., retsengent;
TKACHENKO, L.N., ingh., red.izd-va; MATUSEVICH, S.M.,
tekhn. red.

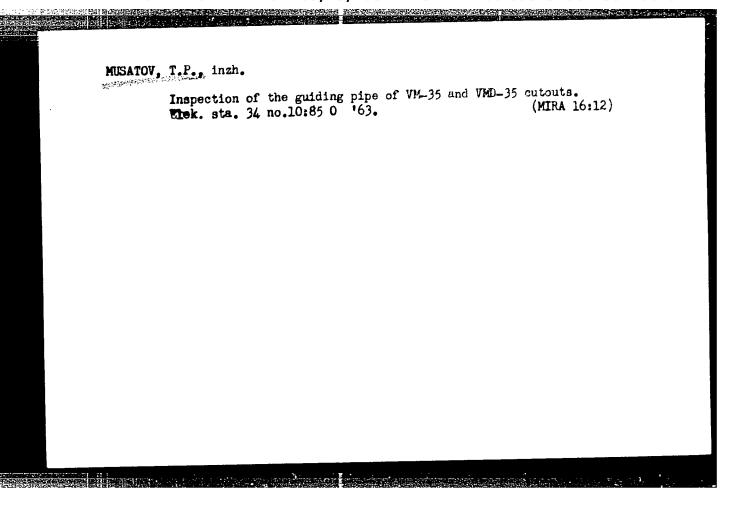
[Operation of substations containing remote control systems]
Ekspluatatia telemekhanizirovannykh podstantsii; opyt
"Donbassenergo" Kiev, Gostekhizdat USSR, 1963. 22 p.
(MIRA 16:10)

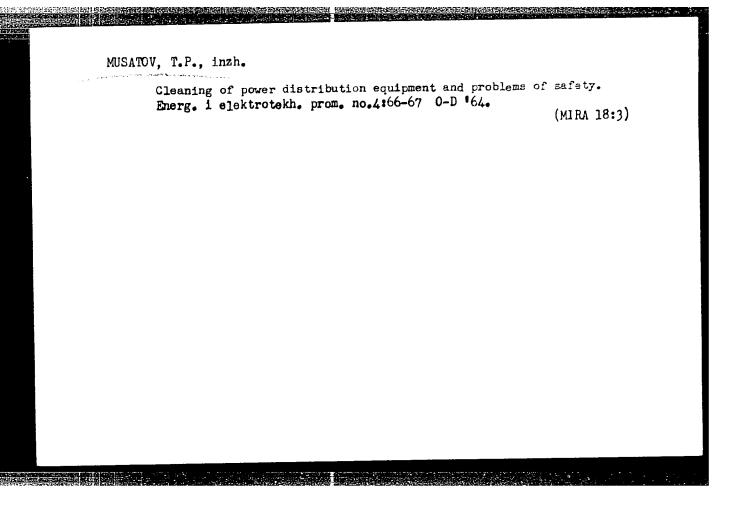
(Electric substations) (Remote control)



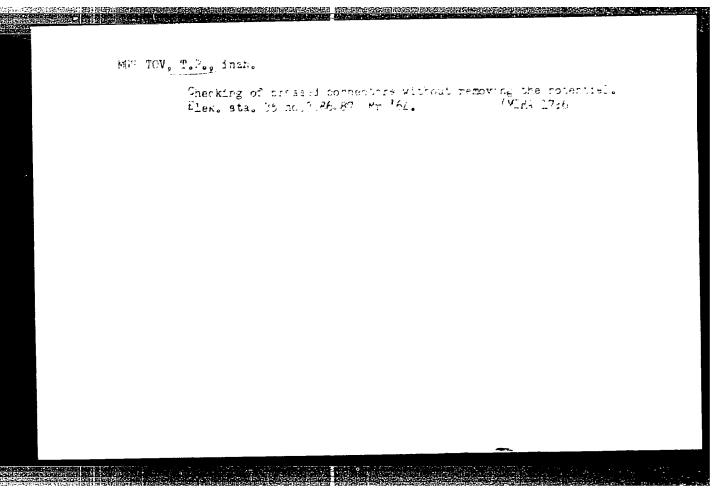






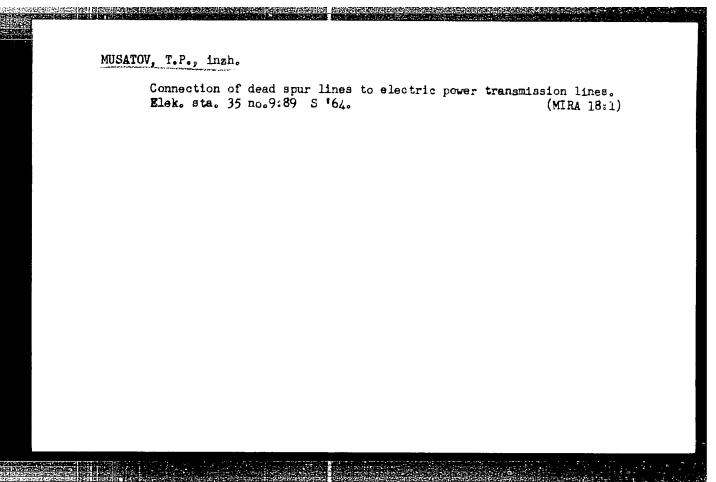


Frequency of enterprises.	the repair of principal electrical syste Prom. energ. 19 no.11:16-17 N 64.	trical system	ms of industrial	
· pouncu.			N '04.	(MIR. 18:1)



MUSATOV, T.P., inzh.; SOROKA, I.F., inzh.

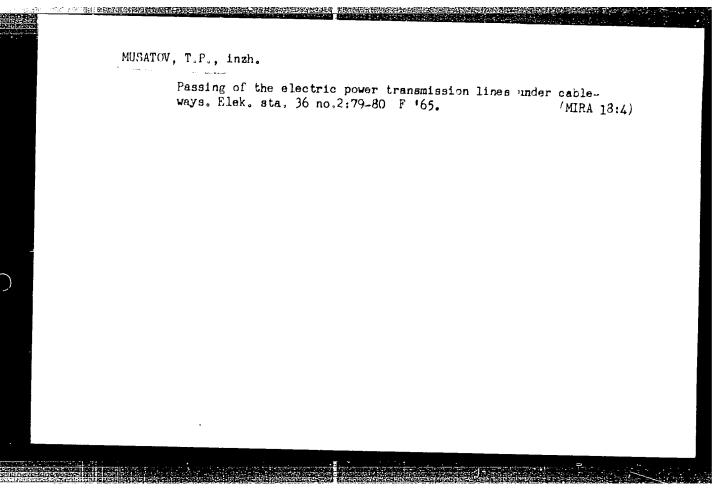
Shunting of reactors by disconnectors. Elek. sta. 35 no.2:88-89 F '64. (MIRA 17:6)



MUSATOV, TaPage inches KAMKOV, P.A., inch.

Transportation of electric transformers on railroads. Energ. 1 elektrotekh. prom. no.2360-61 Ap-Js *65.

(MIRA 18:8)



Number of in road tracks.	sulators on the Energetik 13 m	e poles of ove no.10:23-24 0	rhead lines 465.		
				(MJRA 18:10	

MUSATOV, T.P., inzh. ANTROPOV, A.P., inzh.

于我们的时间,我们们也是是我们的对象,我们也是不是一个人的,我们就是不是一个人的。 第一个人的时间,我们就是一个人的时间,我们就是一个人的时间,我们就是一个人的时间,我们就是一个人的时间,我们就是一个人的时间,我们就是一个人的时间,我们就是一个

Organization of the operation of complex electric power plants. Elek. sta. 36 no.9:72-74 S '65. (MIMA 18)

1. Glavnoye upravleniye energeticheskogo khozyaystva Denetskogo basseyna (for Musatov). 2. Kalininenergo (for Antropov).

LYSAKOVSKIY, G.I., kand. tekhn. nauk; MUSATOV, T.P.

Experience in the operation of a two-circuit power transmission line with "bochka" type towers. Energ. i elektrotekh. prom. no.3:61-64 J1-S '62. (MIRA 18:11)

1. Glavnoye upravleniye energeticheskogo khozyaystva Donetskogo basseyna.

GEL'MAN, N.L., inzh.; BELOBRZHESSKIY, N.A., inzh.; MUSATOV, T.F., inzh.; SOROKA, I.F., inzh.

Time intervals between repairs. Elek. sta. 36 no.9:74-76 S '65.

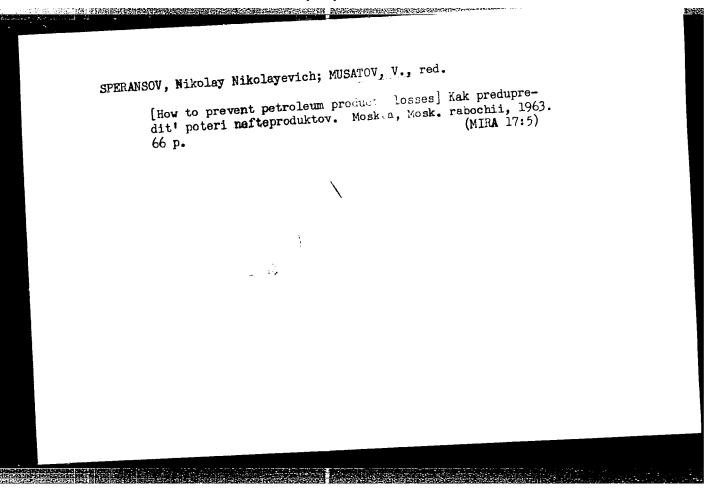
(MIRA 18:9)

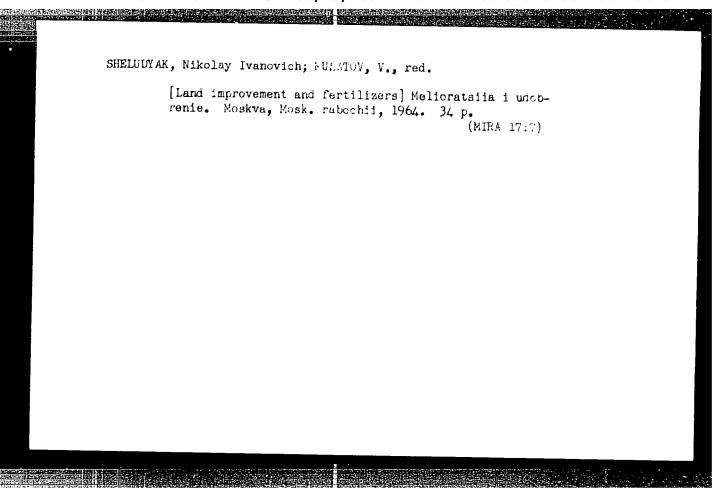
1. Rostovskoye rayonnoye upravleniye energeticheskogo khozyaystva (for Gel'man, Belobrzhesskiy). 2. Glavnoye upravleniye energeticheskogo khozyaystva Donetskogo basseyna (for Musatov, Soroka).

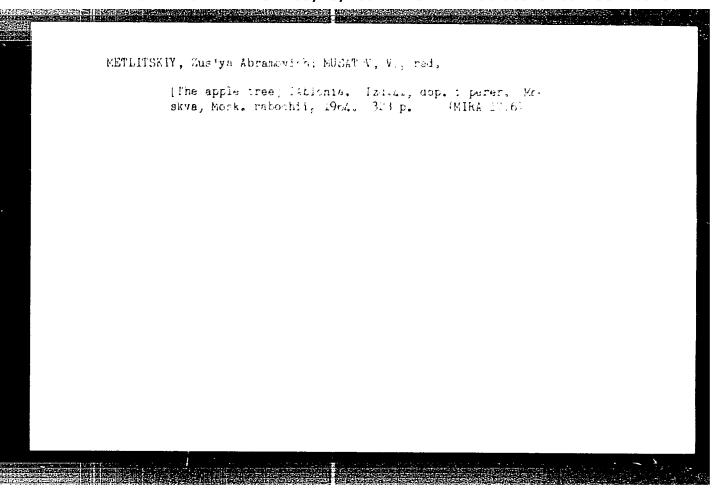
KUZNETSOVA, Zoya Nikitichna (1925-); MUSATOV, V., red.

[Leaders among row crop growers] Lidery propashnykh. Mo-skva, Mosk. rabochii, 1964. 42 p. (MIRA 17:4)

1. Inspektor-organizator Leninskogo proizvodstvennogo upravleniya Moskovskoy oblasti (for Kuznetsova).







ZUBKOV, Boris Vasil'yevich; MUSLIN, Yevgeniy Salimovich;
MUSATOV. V., red.

[One hundred homemade collective farm implements] Sto
kolkhoznykh samodelok. Moskva, Mosk. rabochii, 1942. 94 g.
(MIRA 18:9)

USSR/Zooperasitelogy. Ticks and Insects as Disease Vectors. G

Abs Jour: Ref Zhur-Miol., No 17, 1958, 77031.

Author: Musatov, V.A.

Inst

Title : Morpho-Physiological Changes in the Organism of the Tick Rhipicephalus bursa Can et Fanz (1877) Under the Action of Preparations of DDT and H xachlcrane in

Connection with the Evaluation of Their Effectiveness. Report I.

Orig Pub: Tr. Mosk. vet. akad., 1957, 19, No 1, 210-223.

Abstract: The initial period of the toxic effect of prepara-

tions of DDT and hexachlorane on starved specimens and those which have fed the females of the Rh. bursa appears, first of all, in the changes of the

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USSR/Zooparasitology. Ticks and Insects as Disease Vectors. Mites.

G

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77031.

period of excitability is characterized by no change of character of forward movements, but an increase in the frequency of contractions of the dorso-ventral musculature of the body, with which signs of poisoning appear significantly later than in the starved specimens. The influence of the hexachlorane poisoning on the cardiac activity of the ticks was judged by the rhythmic fluctuations of the Malpighian tubules in the newly moulted males and in the gravid Rh. bursa females. In normal specimens, contractions of the heart and the fluctuations of the Malpighian tubules connected with them occur at equal intervals of time; in those poisoned, long pauses are observed between separate

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USSR/Zooparasitology. Ticks and Insects as Disease Vectors.

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Abs Jour: Ref Zhur-Diol., No 17, 1958, 77031.

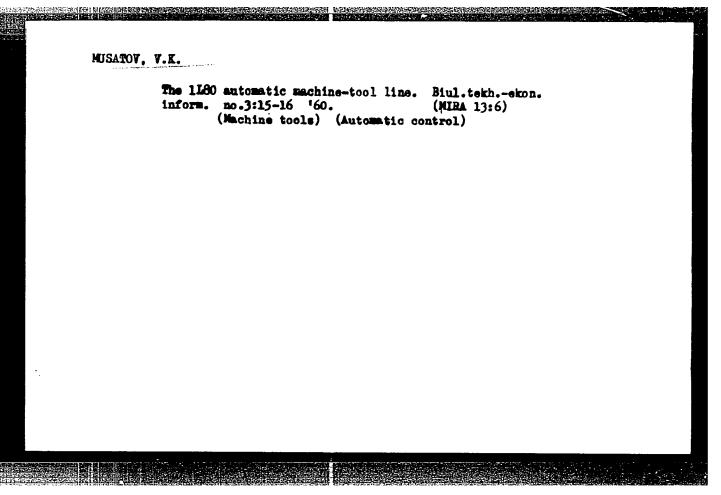
During poisoning with DDT, the rise of transpration is not as significant. Females poisoned with toxic doses of hexachlorane, did not hatch eggs, although their genital tracts were full of nature eggs. In these females, spasmatic contractions of the muscles surrounding the vagina and an affliction of the accessory sex glands were found. Subtoxic doses of hexachlorane and toxic doses of DDT exerted no essential influence on the fertility of the females and on the development of larvae, but the hatched larvae were less viable. In a majority of cases, the larvae developed in the tested group with an impairment of coordinated movements of the extremities which was observed immediately after hatching,

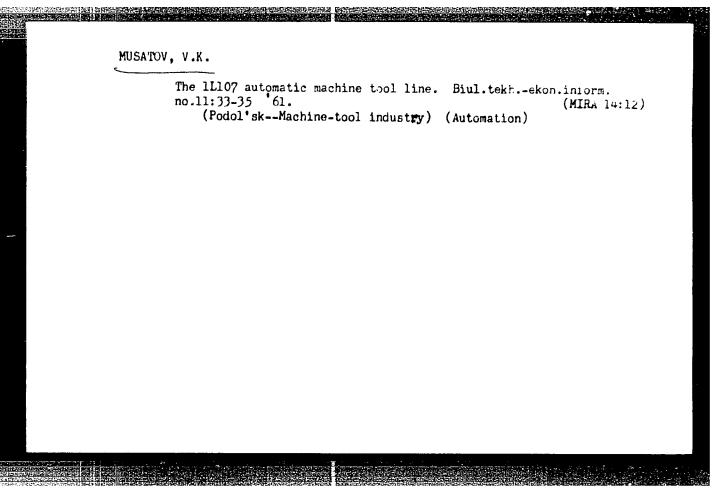
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Jehrm

MUSATOV, V.A.

MUSATOV., V.A., Cand Bio Sci -- (diss) "Certain morpho-physiological changes in the organism of ticks Rhipicephalus bursa can et fanz 1877 under the effect of hexachloran and DDT preparations." Mos, 1958. 16 pp (Nos Vet Acad of the Min of Agr USSR). 140 copies (KL, 20-58, 95)





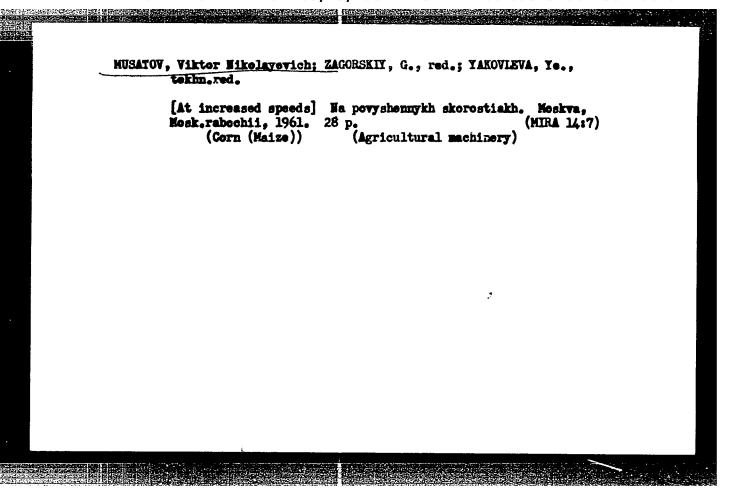
MUSATOV, V. M.

Bystrosmeniaemye podmodel'nye plity dlia formovochykh mashin. (Vestn. Mash., 1948, no. 8, p. 66-68)

Quickly interchangeable bottom boards for molding machines.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.



AKATOV, Yevgeniy Ivanovich; BELOV, Pavel Mitrofanovich; D'YACHENKO,
Nikolay Kheritonovich, prof., doktor tekhn.nauk; MUSATOV.
Vitaliy Sergeyevich; ZHDAHOVSKIY, N.S., doktor tekhn.nauk,
retsenzent; DUBUSOVA, G.A., red.izd-va; FRUNKIN, P.S., tekhn.red.

[Performance of a motor-vehicle engine under unsteady conditions]
Rabota avtomobil'nogo dvigatelia na neustanovivshemsia reshime.
Pod red. N.Kh.D'iachenko. Moskva. Gos.nauchno-tekhn.isd-vo mashino-stroit.lit-ry, 1960. 247 p.

(Motor vehicles-Engines)

D'YACHENKO, Nikolay Kharitonovich, doktor tekhn. nauk, prof.; DASHKOV, Sergey Nikitich, doktor tekhn. nauk, prof.; MUSATOV, Vitaliy Sergeyevich, kand.tekhn.nauk; BELOV, Pavel Mitrofanovich, kand. tekhn.nauk, prof.; BUDYKO, Yuriy Ivanovich, kand.tekhn.nauk. Prinimali uchastiye: BURYACHKO, V.R.; GUGIN, A.M.; ZHDANOVSKIY, N.S., doktor tekhn. nauk, prof., retsenzent; YURKEVICH, M.P., inzh., red. izd-va; PETERSON, M.M., tekhn. red.

[High-speed piston internal combustion engines] Bystrokhodnye porshnevye dvigateli vnutrennego sgoraniia. Moskva, Mashgiz, 1962.

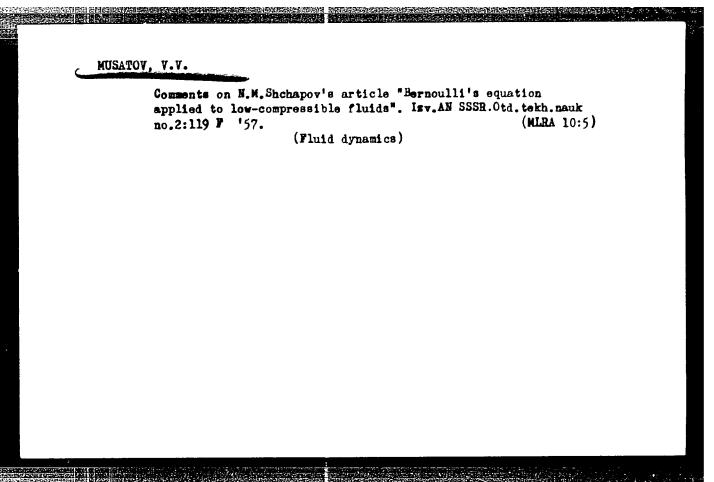
368 p. (MIRA 15:7)

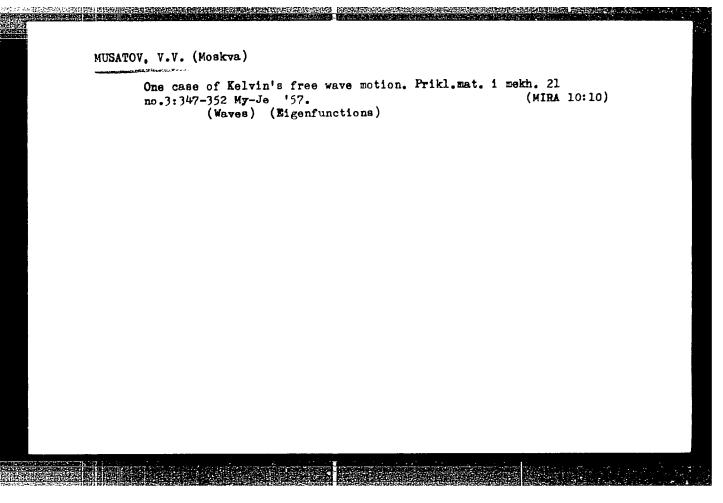
(Gas and oil engines) (Diesel engines)

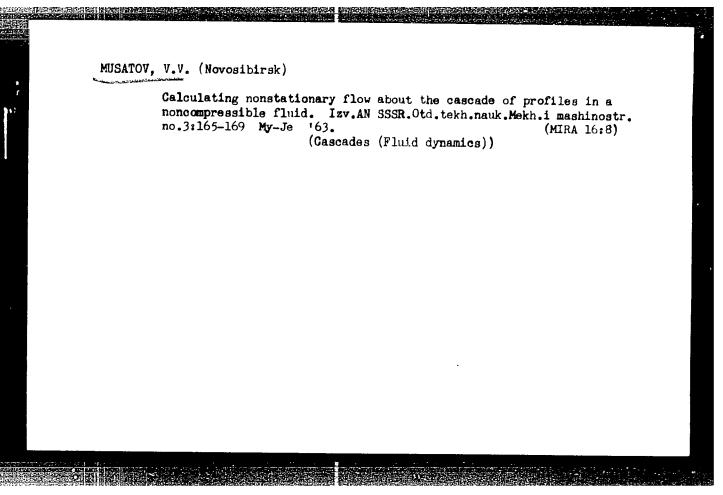
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4	WILLPATION	V V

- 2. USSR (600)
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L 04814-67	1
ACC NR: AP6025420 (N) SOURCE CODE: UR/0143/66/000/007/0054/0061	
AUTHOR: Ponyatov, V. A. (Candidate of technical sciences); Musatov,	
Yu. V. (Engineer)	
ORG: Saratovsk Polytechnic Institute (Saratovskiy politekhnicheskiy Binstitut)	
TITLE: Determination of the most advantageous size of the heating surfaces in the boiler units of steam gas plants	
SOURCE: IVUZ. Energetika, no. 7, 1966, 54-61	
TOPIC TAGS: gas turbine engine, steam boiler	
ABSTRACT: The article is devoted to determination of the optimum temperature gradients and ges velocities at the heating surfaces of boiler units operating under pressure feeding. Under these conditions, the total temperature effect due to radiation (q ρ) of a boiler unit is a variable at constant temperature of the gases (T ⁿ) at the outlet from the furnace, and varies according to a linear law as a function of Δ t:	
$q_{a} = \varphi c_{\mu m}^{r} (T_{a}^{'} - T^{\sigma} + \xi \Delta t), \qquad (1)$	
where T! is the absolute theoretical combustion temperature,	
Card 1/2 UDC: 621.180+621.44	

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ACC NR: AP6025420

conventionally determined at \triangle t = 0, $^{\text{O}}$ K; § is a coefficient taking into account the difference of the heat capacities of the gases in the furnace ($^{\text{C}}_{Dm}$) and in the temperature interval of the exiting gases and the surrounding medium ($^{\text{C}}_{Dm}^{\text{M}}$); φ is the coefficient of heat $\varphi_{\text{C}}^{\text{C}}_{\text{C}}$; φ is the coefficient of heat retention. Based on data calculated according to the proposed method, a figure allows selection, besed on the heating value and the type of fuel, of the optimum values of the minimum temperature gradient in the boiler unit of a steem gas plant with a K-200-130 LMZ turbine, within the limits of 25-110 °C. Orig. art. has: 26 formulas and 4 figures.

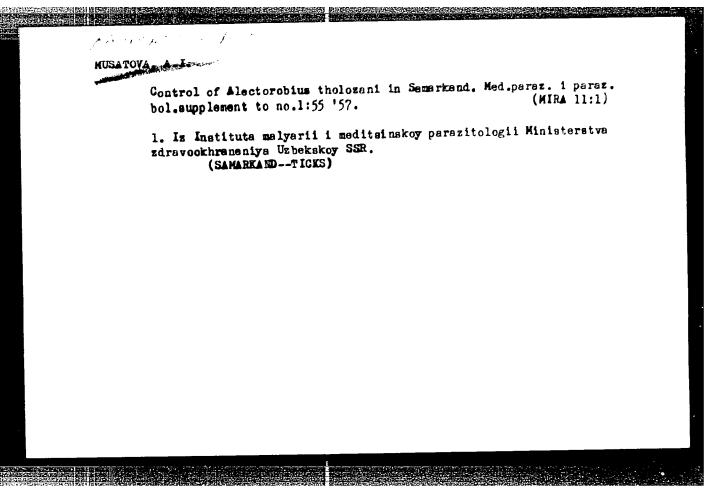
SUB CODE: 20, 21/ SUBM DATE: 03Nov65/ ORIG REF: 005/ OTH REF: 001

L 05212-67 EWP(f)WW SOURCE CODE: UR/0143/66/000/005/0046/0053 ACC NR. AP7000766 AUTHOR: Fonyatov, V. A. (Candidate of Technical Sciences); Zmachinskiy, A. V. (Candidate of Technical Sciences); Pusatov, Yu. V. (Engineer) ORG: Saratov Polytechnic Institute (Saratovskiy politekhnicheskiy institut) TITLE: Determination of most suitable backpressure in gas turbines in steam-gas installations with exhaust of combustion products into boiler unit SOURCE: IVUZ. Energetika, no. 5, 1966, 46-53 TOPIC TAGS: steam boiler, gas turbine, steam turbine / 1-200-130 steam turbine, K-300-240 steam turbine, GT-30-750 HZ gas turbine, GT-60-750 gas turbine . An analysis of the determination of the optimal backpressure of ABSTRACT: the gasses for a steam-gas unit consisting of typical steam and gas trubines with fixed initial parameters. The method developed permits analytic calculation of the economically most suitable backpressure. The economically most suitable pressure drops for each heating surface are also found. The values calculated are: a) for the steam turbine K-200-130 with the gas turbine GT-30-750 LMZ. 1.10 bar; b) for the K-300-240 steam turbine and GT-60-750 LMZ gas turbine. 1.11 bar. A calculation formula is presented for determining the economy of the optimal gas velocities in convective surfaces of the boiler, planned for operation in steam-gas units with exhaust of the combustion products to the bgiler burner. [JPRS] GLEUB CODE: 13 / SUBM DATE: OSMAY 65 / ORIG REF! 006

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Work of a technical information officer. Opyt rab. po tekhn. inform. i prop. no.4:15-16 '63. (MIRA 17:1)

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MAZINA, Ye.G., kand.med.nauk., MUSATOVA, A.V., KHRAMOVA, M.I., NABOKINA, Ye.K., SKOPTSOVA, S.M., KUZNETSOVA, S.A., KARPEL', L.M., DAMANSKAYA, N.V., FILIPPOVA, T.V.

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Regulation of the productivity of water bodies by the use of biological methods in the application of fertilizers. A Ya. Musatova, S. I. Kuznetsov., Trudy Inst. microbiol. no. 1, 1951.

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1. Students. 2. Of the Department of Obstetrics and Gynecology (Head -- Prof. B. Ya. Stavskaya). Stavropol' Medical Institute.

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ARKHAMGELISKIY, D.H.; HUJATOVA, G. .; KOHKIN, A.A.

Saponification of cellulose xanthates in homogeneous media. Million volok.no.5:38-41 164. (MILA 17:10)

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ARKHANGEL'SKIY, D.N.; MUSATOVA, G.N.; SERAYA, L.D.; BOBROVA, T.V.;
POPOVA, L.A.; KONKIN, A.A.

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Khim. volok. no.5:27-29 '65. (MiRA 18:10)

1. Kiyevskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta iskusstvennogo volokna (for all except Konkin).

2. Moskovskiy tekstil'nyy institut (for Konkin).